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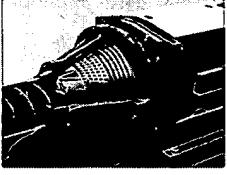
**metso paper**

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Dispersion and refining > Heating alternatives > Refining



**Dispersion and refining**

Modern dispersion treatment aims at improving the end-product quality, appearance and printability through the disintegration of ink and other contaminants. The increase in pulp strength and the reconditioning of old, recycled fibers can upgrade pulp for more demanding applications.

The advanced Optifiner dispersion line concept is applicable for all recycled fibers. The heart of the process is the Optifiner Disperger equipped with large conical fillings. For thickening and dewatering, Metso Paper can offer alternative solutions to meet the demands of the process solution.

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As well as the paper machine , **Metso** also supplied a new DIP plant as part of the ...  
thickening , **OptiFiner** dispersion , OptiBright high - consistency ...  
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screening and **OptiFiner** refining followed by Kajaani KSF freeness ...  
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**OptiFiner** low-consistency refiners and ...  
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## Dispersion and refining Pulping Screening and fractionation ...

The heart of the process is the **OptiFiner** Disperger equipped with large conical fillings. For

thickening and dewatering, **Metso** Paper can offer alternative ...

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## Benefits to be gained with OptiFiner Dispersion solutions

- High dispersion efficiency for all types of ink
- Excellent treatment of hotmelts, stickies and other contaminants
- Significant improvement of pulp strength and fiber properties
- Variability and efficient mixing for optimal bleaching
- Wide range of treatment intensities, power inputs and temperatures
  - Heating alternatives
  - Filling pattern options
  - Atmospheric/ pressurized operation
- Flexible inlet and outlet designs facilitate easy process link-up for each application



Metso Paper Technology Center, Anjalankoski, Finland  
offers OptiFiner dispersion for customer trials.

## Technical Data

| OptiFiner Disperger | HI-Heater | CT-Heater | DPL-Plugscrew |
|---------------------|-----------|-----------|---------------|
| OFD-50              | HI-0523   | CT-309    | DPL-210       |
| OFD-100             | HI-1050   | CT-815    | DPL-420       |
| OFD-150             | HI-1075   | CT-1018   | DPL-525       |
| OFD-250             | HI-1275   | CT-1220   | DPL-630       |

The contaminant dispersion with compatible properties  
for the fiber processing and bleaching of ONP, OMG,  
OCC, MOW and mix furnishes.

- Capacity rate ..... 10 – 1000 tpd
- Rated power / Disperger ..... 100 – 3500 kW
- Temperature range ..... 80 – 120°C
- Pressure ..... 0 – 100 kPa
- Discharge consistency ..... 4 – 10 %/30 %

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